



THE NETWORK
TOWARDS UNITY FOR HEALTH



Facultad de Medicina



THE NETWORK: TOWARDS UNITY
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VIRTUAL CONFERENCE

"PRIMARY HEALTH CARE: A PATH
TOWARDS SOCIAL JUSTICE"

SYSTEMS AND COMMUNITY BASED
RESPONSES TO COVID-19

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TUFH 2020 Abstracts

Title	Stunting detection and assessment of associated risk factors among under-five children in Cilacap, Central Java, Indonesia: a student community service program
Type	TUFH Oral Presentation <i>Measuring Progress towards the Sustainable Development Goals</i>
Presenting Author	Hanggoro Tri Rinonce
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Country	Indonesia
Abstract N^o	TUFH158
Content	<p>Stunting has significant detrimental effects on the growth and development of children, especially on cognitive abilities, school performance and productivity. This problem primarily burdens low income and developing countries, including Indonesia. A multidisciplinary team of 29 students went to Pucung Lor Village, Kroya District, Cilacap Regency in December 2019 to February 2020 to determine the prevalence of stunting among under-five children and assess associations with risk factors. Height measurements were done during community-based monthly health posts and converted to height-for-age scores. Presence of risk factors was assessed using questionnaires and direct interviews with parents. Out of 241 children, 22 children (9.1%) were stunted, 207 children (85.9%) were normal, and 12 children (5%) were tall. Mothers with heights less than 150 centimeters were 6.3 times more likely to have stunted children ($p = 0,00$). These results reinforce that unresolved stunting in one generation will lead to higher risks of stunting in the next. This highlights the need for the community itself to be involved in breaking this vicious cycle. The team then held community education sessions on how to prevent stunting. Local health cadres were also trained in how to do anthropometric measurements and determine nutritional status based on height. These programs aimed to enable the local people, especially health cadres, to help prevent and detect stunting cases. This strategy of community empowerment will increase the sustainability and effectiveness of the programs, which should result in a decline of stunting in the long run.</p>